

12. Visiting scholar:

	Country	Date from - Date to
1	University of California at Santa Barbara, National Center for Geographical Information and Analysis (NCGIA) Visiting Researcher	1/01/1993 - 1/06/1993
2	University of Illinois at Urbana-Champaign, Regional Economics Applications Laboratory (REAL) Visiting Professor	1/10/2011 - 1/12/2011 and 1/10/2013 - 1/11/2013
3	University of Wollongong, National Institute for Applied Statistics Research Australia (NIASRA) Visiting Professor	10/12/2011 - 1/03/2012, 1/12/2014 - 1/04/2015 and 1/12/2017 - 1/2/2018

13. Professional experience:

	Date from-to	Location	Company	Position	Description
1	1/02/2005 ongoing	Italy	University "G. D'Annunzio" of Chieti-Pescara, Faculty of Economics	Full Professor	Economic Statistics
2	1/11/2011 1/11/2018	Italy	University "G. D'Annunzio" of Chieti-Pescara, Faculty of Economics	Full Professor	Chair of the master program in "Economics and Commerce": responsibility to define the curriculum, course contents, quality controls on teaching and on the results obtained by students. The course has approximately 100 new students enrolled, of whom 60-70 graduate each year.
3	1/01/2017 ongoing	EU	EU research project H2020	Participant of the project IMAJINE "Integrative Mechanisms for Addressing Spatial Justice and Territorial Inequalities in Europe"	Economic Statistics: This project, on H2020 funds still in progress, aims to study spatial justice in Europe. Our unit deals with all the empirical and quantitative part of the project
4	1/11/2016 1/5/2018	EU-JRC Siviglia	Joint Research Center - EU - Sivilla	Technical responsible of the project "Technical efficiency of wheat producing farms in France and Hungary"	Economic Statistics: In this project that I coordinated, financed by the European Union, the aim was to estimate the efficiency of the wheat producing companies in France and Hungary, in particular the existence of multiple stochastic frontiers was verified.
5	1/06/2013 1/06/2015	UN	FAO	Task coordinator	Project Global Strategy: I coordinated two lines of activity in this very large project concerning the use of remote sensing in agriculture. The duration of the activities continued for two

					years and was aimed at producing guidelines for the statistical offices on methods and standards for designing area frame surveys
6	1/01/2006 10/10/2006	Turkey	ASA	Expert	Project USST1 – Action: Improvement of existing surveys: In this project, on EU funds, I had to check the status of agricultural statistics in Turkey in view of an entry of the candidate country into the European Union. Concretely, I had to spend many periods, not only in Ankara but also in the peripheral regions, to follow the practices of surveys carried out by the national statistics office
7	1/11/2001 1/2/2005	Italy	University “G. D’Annunzio” of Chieti-Pescara, Faculty of Economics	Associate Professor	Economic Statistics
8	1/1/2004 1/12/2006	Italy	Telespazio SpA per le comunicazioni spaziali (Space communications company)	Cunsultant	Methodological responsible of the Agrit project funded by the Italian Ministry of Agriculture: This is an area frame survey conducted by the Ministry of Agricultural Policies to estimate the surfaces and productions of the main cultures in Italy through the use of a sample of over 100,000 randomly selected points. I was the methodological manager as regards both the sample design and the statistical estimates
9	1/10/2000 1/9/2001	Hungary	CESD	Expert	Act CXLIII on the Registration of Vineyards and Orchards: In this project, on EU funds, I had to check the status of agricultural statistics in Hungary in view of the entry of the candidate country into the European Union. Concretely, I had to spend many periods, not only in Budapest but also in the peripheral regions, to follow the practices of Vineyards and Orchards surveys carried out by the national statistics office, in particular on the statistical use of administrative data
10	June 2001	Italy	Istat – National Statistical Institute	International Congress Organization (CAESAR – ICAS II)	The International Conference on Agriculture Statistics (ICAS) is a series of conferences, which started in 1998

					based on the increasing need for agricultural data worldwide. The conference brought together 700 statisticians and policy experts from 53 countries around the world and from all the main international organisations active in the field of agriculture.
11	1/07/1994 31/10/2001	Italy	Istat – National Statistical Institute	Since 1/07/1994: Senior Researcher; since 2/07/2001 Research Director. Head of the Italian Agricultural Statistical Service	Economic Statistics: The service gave me the responsibility of managing about 120 people, including 15 researchers and 5 senior researchers
12	July 1994 December 1996	Italy	Istat – National Statistical Institute	Head of the unit “ <i>Nomenclatures and Standardization</i> ”	Economic Statistics: The unit gave me the responsibility of managing about 20 people, including 5 researchers
13	December 1996 December 1997	Italy	Istat – National Statistical Institute	Head of the unit “ <i>Methods for data analysis and confidentiality avoidance</i> ”.	Methodological Statistics: The unit gave me the responsibility of managing about 25 people, including 7 researchers
14	December 1997 December 2000	Italy	Istat – National Statistical Institute	Head of the unit “ <i>Survey and analysis methods for agricultural data</i> ”.	Economic Statistics: The unit gave me the responsibility of managing about 10 people, including 3 researchers
15	February 1996 July 1998	EU	Istat – National Statistical Institute Statistical Disclosure Control – SDC Project – ESPRIT research funds	Technical responsible of the Italian unit of the joint research project SDC (Statistical Disclosure Control).	In collaboration with CBS (NL statistical Institute), ONS (UK statistical institute), Consorzio Padova Ricerche and the universities of Leeds, Manchester and Eindhoven, founded by the European Union (Esprit funds). This multi-year project financed by the European Union has led to the development of two softwares (mu-argus and tau-argus) for the confidentiality protection of data released by the national statistics offices. I coordinated the Italian operational unit
16	January 1998 June 2001	Italy	Regione Lombardia.	Technical responsible of the research project STAPPA (<i>Small Area Estimation for Agricultural Data</i>),	Founded by Regione Lombardia: In this project financed by the Italian regions, the use of small areas estimates has been introduced to produce provincial estimates from the survey on the structure of farms that otherwise would have allowed only regional estimates
17	January 1998 June 2001	Italy	Ministry of Agricultural Policies.	Technical responsible	Technical responsible of the research project “ <i>Methods and techniques for the statistical use</i>

					<i>of administrative data</i>
18	15 May 1989 30 June 1994	Italy	Telespazio S.p.A. per le comunicazioni spaziali (Space communications company)	Researcher	Statistical analysis of remotely sensed data (Landsat, Spot and Noaa/Avhrr) for agriculture and environment monitoring. Participation to several projects founded by the Italian ministry of agricultural policies (i.e. the Agrit program) and the European Union (the Mars project).
19	1 April 1987 14 May 1989	Italy	SOMEA S.p.A. (Mathematical and Applied Economic company)	Researcher	I/O matrix estimation, econometric analysis and cost-benefit analysis in projects founded by ENEA (National body for energy and the environment), ENEL (National electricity company), Ministry of Foreign Affairs etc.

14. Teaching experience:

1. Introductory Statistics: undergraduate course with many students (approx. 300 per year) concerning descriptive statistics, notions of probability and a first approach to statistical inference.
1/Nov/2001 to 1/Nov/2010 - University "G. D'Annunzio" of Chieti-Pescara. BA Degree in "Economics and Commerce"
1/Nov/2004 to 1/Nov/2006 - University Luiss "Guido Carli" of Rome. BA Degree in "Economics"
2. Statistical inference: undergraduate course with approx. 100-150 students per year concerning property of the estimators, the concept of likelihood, estimation methods, test theory, introduction to Bayesian statistics.
1/Nov/2001 to 1/Nov/2004 - University "G. D'Annunzio" of Chieti-Pescara. BA Master Degree in "Economics"
3. Survey Methodology: graduate (master degree) course with approx. 80-100 students per year concerning sample design, design based and model assisted estimation, small area estimation and data dissemination.
1/Nov/2004 ongoing - University "G. D'Annunzio" of Chieti-Pescara. Master Degree in "Economics and Commerce"
4. Multivariate Analysis: graduate (master degree) course with approx. 50 students per year concerning principal component analysis, cluster analysis, correspondence analysis, multidimensional scaling, regression and classification trees.
1/Nov/2010 to 1/Nov/2018 - University "G. D'Annunzio" of Chieti-Pescara. Master Degree in "Economics and Commerce"
5. Business Analytics Lab: graduate (master degree) course with approx. 50 students per year concerning statistical network data analysis, cluster analysis, nonparametric regression and machine learning, time series analysis.
1/Nov/2018 ongoing - University "G. D'Annunzio" of Chieti-Pescara. Master of Science in "Economics and Business Analytics"
1/Nov/2008 to 1/Nov/2018 - University "G. D'Annunzio" of Chieti-Pescara. I was a member of the steering committee of the PhD program in "Economics and Statistics", teaching the courses:
 6. Sampling: concerning complex sample design, balanced sampling, design-model assisted and model based estimation, small domain estimation and statistical disclosure control.
 7. R programming: concerning data structures, object oriented programming, graphical data display, loops and conditions, numerical and iterative calculation.
 8. I was the supervisor of 8 PhD theses.

15. Academic roles (University “G. d’Annunzio” of Chieti-Pescara):

1. Master Degree in Economics and Commerce (Chair)
2. Master Degree in Economics and Business Analytics (Member of the Course Council)
3. Department of Economic Studies (Member of the Department Council)
4. Department of Economic Studies (Member of the Research Committee)
5. Department of Economic Studies (Member of the Teaching Committee)
6. School of Economics, Business, Law and Sociology (Member of the School Board)

16. Publications

Books

- 1 Tecniche e Metodi per l'individuazione di Partizioni Territoriali (with G. Espa), Artimedia, Trento, 2000.
- 2 Studio pilota sull'industria di trasformazione dei prodotti ittici in Italia nel quadro delle attività previste dal regg. (CE) 1543/00 e 1639/01 (with G. Espa and F. Piersimoni) ARACNE Editrice, Roma, a cura di Paolo Cupo, Part II and Part III, pp 51-210, 2005.
- 3 Agricultural Survey Methods, (with M. Bee, G. Espa and F. Piersimoni) Wiley, Chichester, 2010
- 4 Developing more efficient and accurate methods for the use of remote sensing in agricultural statistics. Technical Report Series GO-05-2014. Global Strategy, Improving Rural & Agricultural Statistics, FAO. 2014
- 5 Sampling Spatial Units for Agricultural Surveys, (with P. Postiglione and F. Piersimoni), Advances in Spatial Science, Springer, Heidelberg, Berlin. ISBN 978-3-662-46007-8, 2015
- 6 Spatial Econometric Methods in Agricultural Economics Using R, (with P. Postiglione and F. Piersimoni), CRC Press Taylor and Francis Group, 2021

Journals

- 7 L'aggregazione dei dati territoriali ed i suoi effetti sui metodi statistici (with D. Palma), *Statistica*, 1, 57-73, 1992.
- 8 Alcuni metodi per la generazione di processi aleatori bidimensionali (with G. Espa), *Italian Journal of Applied Statistics*, 5, 3, 217-244, 1993.
- 9 Disaggregazione, interpolazione ed integrazione di dati territoriali (with D. Palma), *Statistica*, 1, 87-111, 1994.
- 10 Markov random field based image subsampling method (with D. Palma), *Journal of Applied Statistics*, 21, 5, 495-509, 1994.
- 11 Optimal sampling designs for dependent spatial units (with D. Palma), *Environmetrics*, 6, 101-114, 1995.
- 12 Effects of the MAUP on Image Classification (with G. Arbia and G. Espa), *Geographical Systems*, 3, 123-141, 1996.
- 13 A Transformational View of Spatial Data Analysis (with D. Palma), *Geographical Systems*, 5, 199-220, 1998.
- 14 Some aspects of disclosure avoidance in complex microdata files (with L. Franconi), *Research in Official Statistics*, 1, 0, 59-70, 1998.
- 15 Probabilità di identificazione delle unità statistiche in indagini gerarchiche e longitudinali (with L. Franconi and F. Piersimoni), *Italian Journal of Applied Statistics*, 10, 2, 135-152, 1998.

- 16 Contextual Classification in Image Analysis: An Assessment of Accuracy of ICM (with G. Espa and G. Arbia), *Computational Statistics & Data Analysis*, 30, 443-455, 1999.
- 17 On the use of NDVI profiles as a tool for agricultural statistics: the case study of wheat yield estimate and forecast in Emilia Romagna. (with P. Rossini), *Remote Sensing of Environment*, 45, 3, 311-326, 1993.
- 18 Vegetation classification in the Middle Mediterranean area by satellite data (with P. Rossini and R. Taddei), *International Journal of Remote Sensing*, 15, 3, 583-596, 1994.
- 19 Selezione campionaria di unità territoriali dipendenti: un approccio basato su tecniche di ottimizzazione combinatoria (with D. Palma), *Italian Journal of Applied Statistics*, 6, 2, 155-176, 1994.
- 20 Stima dell'allocazione dei fattori produttivi nelle indagini agricole: un'applicazione ai dati dell'indagine annuale sul latte e sui prodotti lattiero caseari (with G. Espa and L. Martino), *Scritti di statistica economica*, 9, 23-60, 2002.
- 21 Prospettive e soluzioni per il data editing nelle rilevazioni in agricoltura (with G. Espa and F. Piersimoni), *Italian Journal of Applied Statistics*, 13, 4, 363-391, 2001.
- 22 Inflazione e crescita economica tra conferme e nuove evidenze: un confronto internazionale (with A. Pandimiglio), *Economia Impresa e mercati finanziari*, 2, 2005.
- 23 Multiple imputation of missing data in sustainable development modelling (with A. Pandimiglio and R. Lima), *Economia, Società e Istituzioni*, XVIII, 3, 483-503, 2006.
- 24 L'uso dei dati telerilevati nelle stime di superficie e produzione (with M. Ciavattella) *Agriregionieuropa*, 2, 7, 30-33, 2006.
- 25 GIS based models and estimation methods for the probability of archaeological site location TOP25 article within the *Journal of Cultural Heritage*: n. 3 (with G. Espa, A. De Meo, U. Ricci and S. Espa) *Journal of Cultural Heritage*, 7, 3, 147-155, 2006.
- 26 La Povertà Relativa Secondo Un Approccio Di Stazionarietà Locale Per Piccole Aree (with C. Rinaldelli), *Scritti di Statistica Economica*, 9, 23-60, 2007.
- 27 Spatial models for flood risk assessment (with M. Bee and G. Espa), *Environmetrics*, 19, 1-17, 2008
- 28 A tree-based approach to forming strata in multipurpose business surveys (with G. Espa and G. Lafratta), *Survey Methodology*, 34, 2, 195-203, 2008
- 29 A regression tree algorithm for the identification of convergence clubs (with P. Postiglione and G. Lafratta), *Computational Statistics and Data Analysis*, 54, 11, 2776-2785, 2010
- 30 A framework for cut-off sampling in business survey design (with M. Bee and G. Espa), *Journal of Official Statistics*, 26, 4, 651-671, 2010
- 31 Multivariate Boundaries of a Self Representing Stratum of Large Units in Agricultural Survey Design (with F. Piersimoni), *Survey Research Methods*, 6, 3, 125-135, 2012
- 32 Local Stationarity in Small Area Estimation Models, (with N. Salvati and M. Pratesi), *Statistical Methods & Applications*, 2013
- 33 On maximum likelihood estimation of a Pareto mixture (with M. Bee and G. Espa), *Computational Statistics*, 28:161-178, 2013

- 34 Is it acceptable not to cover the smallest businesses in a business survey ? How should such a cutoff be chosen ? (with M. Bee, G. Espa and F. Piersimoni), *The Survey Statistician*, 67, 14-18, 2013
- 35 Using Constrained Optimization for the Identification of Convergence Clubs (with P. Postiglione and S. Andreano), *Computational Economics*, 2013
- 36 Gri performance indicators and corporate variables. evidence from italian listed companies' corporate social responsibility reports. (with L. Tarquinio, D. Raucci, I. Verna) *Progress in Industrial Ecology*, 9:234–255, 2015
- 37 Gli indicatori economici, ambientali e sociali nei rendiconti di sostenibilit`a delle societ`a quotate alla borsa italiana. (with L. Tarquinio, D. Raucci, I. Verna) *Economia Aziendale Online*, 7:197–219, 2016.
- 38 A Bayesian approach to parameter estimation in the presence of spatial missing data. (with P. Postiglione and D. Panzera), *Spatial Economic Analysis*, 11, 2, 201-218, 2016
- 39 La competitività territoriale delle province italiane: un'analisi spaziale delle variabili rottura, (with F. M. Olivieri, M. S. Andreano) *Rivista di Economia e Statistica del Territorio*, 1, 5-32. 2016
- 40 Spatial clusters in EU productivity growth. (with P. Postiglione and S. Andreano) *Growth and Change*. 48, 1, 40-60, 2017
- 41 Spatial regimes in regional European growth: an iterated spatially weighted regression approach. (with P. Postiglione and S. Andreano) *Quality & Quantity*. 51, 6, 2665-2684, 2017
- 42 Approximate Maximum Likelihood Estimation of the Bingham Distribution, (with M Bee, G Espa), *Computational Statistics and Data Analysis* 108, 84–96, 2017
- 43 A two-step approach to account for unobserved spatial heterogeneity, (with AG Billé, P Postiglione), *Spatial Economic Analysis*, 12, 4, 452-471, 2017
- 44 Model-based variance estimation in non-measurable spatial designs, (with E Taufer, G Espa), *Journal of Statistical Planning and Inference*, 181, 52-61. 2017
- 45 Spatially balanced sampling: a review and a reappraisal. (with P. Postiglione and F. Piersimoni) *International Statistical Review*, 85, 3, 439-454, 2017
- 46 A spatially balanced design with probability function proportional to the within sample distance. (with F. Piersimoni) *Biometrical Journal*, 59, 1067-1084, 2017
- 47 Modelling spatial regimes in farms technologies, (with Billè A, Salvioni C) *Journal of Productivity Analysis*, 49, 2-3, 173-185, 2018
- 48 An Investigation of Global Reporting Initiative Performance Indicators in Corporate Sustainability Reports: Greek, Italian and Spanish Evidence, (with Tarquinio, L. and Raucci, D) *Sustainability*, 10(4), 897, 2018
- 49 Ranking and Forecasting Serie A 1934-2016 Soccer Outcomes Through Bivariate Poisson Regression. (with Piersimoni, F., Pandimiglio, A., Spallone, M.), *Italian Journal of Applied Statistics*, 30, 2, 175-187, 2018
- 50 Spatial autocorrelation and clusters in modelling corporate bankruptcy of manufacturing firms, (with Andreano MS, Mazzitelli A and Piersimoni F) *Journal of Industrial and Business Economics*, 45, 4, 475–491, 2018
- 51 How interconnected SMEs in business cluster survive the economic crisis, (with Andreano MS, Mazzitelli A and Piersimoni F) *Kybernetes*, 50, 7, 2001-2020, 2018

- 52 Sample selection when a multivariate set of size measures is available, (with Andreano MS and Piersimoni F) *Statistical Methods and Applications*, 28, 1, 1–25, 2019
- 53 A distance correlation index of spatial dependence for compositional data, (with Andreano MS and Piersimoni F) *Papers in Regional Science*, 98 (6), pp. 2371-2389, 2019
- 54 Modeling the Impact of Technological Innovation on Environmental Efficiency: A Spatial Panel Data Approach, (with Postiglione P and Palma D) *Geographical Analysis*, 52 (2), pp. 231-253, 2020
- 55 Spatial Auto–correlation and Auto–regressive Models Estimation from Sample Survey Data, (with Suesse T. and Piersimoni F) *Biometrical Journal*, 62 (6), pp. 1494-1507, 2020
- 56 Identification of spatially constrained homogeneous clusters of COVID-19 transmission in Italy (with Piersimoni, F., Pignataro, G., Vidoli, F.), *Regional Science Policy and Practice*, 12 (6), pp. 1169-1187, 2020
- 57 Mapping Poverty of Latin America and Caribbean Countries from Heaven through Night Lights Satellite Images, (with Andreano MS, Piersimoni F and Savio G), *Social Indicators Research*, 156 (2-3), pp. 533-562, 2021
- 58 A simulated annealing-based algorithm for selecting balanced samples, (with Dickson, M.M., Espa, G., Pantalone, F., Piersimoni, F.), *Computational Statistics*, 2021
- 59 Spbsampling: An R Package for Spatially Balanced Sampling, (with Pantalone, F., Piersimoni, F.), *Journal of Statistical Software*, 2021
- 60 Stochastic frontier estimation through parametric modelling of quantile regression coefficients (con E. Fusco e F. Vidoli.). *Empirical Economics*, 64(2):869–896, 2023.
- 61 Constrained optimization for addressing spatial heterogeneity in principal component analysis: an application to composite indicators (con P. Postiglione, A. Cartone, M. S. Andreano). *Statistical Methods and Applications*, 32(5):1539 – 1561, 2023.
- 62 The optimal size of territorial units in the outsourcing of waste service: An empirical approach (con M. Mazzocchitti, e A. Sarra). *Journal of Environmental Management*, 348, 2023.
- 63 Handling out-of-sample areas to estimate the unemployment rate at local labour market areas in Italy (con F. Piersimoni, M. Pratesi, N. Salvati, e T. Suesse). *International Statistical Review*, accepted in 2024.
- 64 A panel regression approach to the role of economic policy uncertainty in the energy transition: what to expect with the return of trumponomics? (con A. Marra e E. Colantonio). *Economia Politica*, accepted in 2025.
- 65 Improving estimates on housing wealth with survey and administrative data. *Review of Income and Wealth* (con A. Neri, E. Porreca, e M. Giovanna Ranalli), 72(1), accepted in 2025.
- 66 Dynamic spatial regimes for spatial panel data (con A.G. Billé, R. Benedetti e P. Postiglione). *Spatial Statistics*, accepted in 2025

Book Chapters

- 67 On the use of auxiliary variables in agricultural survey design, (with M. Bee, G. Espa and F. Piersimoni), in *Agricultural Survey Methods*, (eds R Benedetti, M. Bee, G. Espa and F. Piersimoni) Wiley, 107-132, 2010
- 68 Estimation of land cover parameters when some covariates are missing, (with D. Filipponi), in *Agricultural Survey Methods*, (eds R Benedetti, M. Bee, G. Espa and F. Piersimoni) Wiley, 213-230, 2010
- 69 Spatial prediction of agricultural crop yield, (with P. Postiglione and F. Piersimoni), in *Agricultural Survey Methods*, (eds R Benedetti, M. Bee, G. Espa and F. Piersimoni) Wiley, 369- 386, 2010
- 70 Statistics in Agriculture Production (with P. Postiglione and F. Piersimoni), in “Methods and Application of Statistics in the Social and Behavioral Sciences” N. Balakrishnan (Editor), Wiley, 357-372, 2012
- 71 Spatial sampling for agricultural data. (with P. Postiglione and F. Piersimoni), In: *Contributions to sampling statistics*, Mecatti F, Conti PL, Ranalli MG (Eds), Springer, Heidelberg, Berlin, pp. 179- 198. ISBN: 978-3-319-05319-6. 2014
- 72 Advanced methods to design samples for land use/land cover surveys. (with P. Postiglione and F. Piersimoni), In: *Topics on methodological and applied statistical inference*, Di Battista T, Moreno E, Racugno W (Eds), Springer, Heidelberg, Berlin, 31-42, 2016
- 73 Sampling design and analysis using geo-referenced data, (with Filipponi D, Piersimoni F, Dickson MM, Espa G, Giuliani D) in Zhang L-C, Chambers RL (eds), *Analysis of Integrated Data*, Chapman and Hall/CRC, 219-245, 2019
- 74 Sampling and Modelling Issues Using Big Data in Now-Casting, (with Andreano MS, Piersimoni F, Postiglione P, Savio G) in Petrucci A, Racioppi F, Verde R (eds), *New Statistical Developments in Data Science*, Springer, 219-245, 2019
- 75 Basic Concepts . (con P. Postiglione e F. Piersimoni), In: *Spatial Econometric Methods in Agricultural Economics Using R*, P. Postiglione R. Benedetti e F. Piersimoni (Eds), Taylor and Francis CRC, 31-42, 2021
- 76 Spatial Sampling Designs. (con F. Pantalone), In: *Spatial Econometric Methods in Agricultural Economics Using R*, P. Postiglione R. Benedetti e F. Piersimoni (Eds), Taylor and Francis CRC, 31-42, 2021
- 77 Spatially balanced indirect sampling to estimate the coverage of the agricultural census. In *Studies in Theoretical and Applied Statistics* , F. Piersimoni, F. Pantalone, and R. Benedetti, SIS 2021, volume 406, pages 449–461, 2022.

Other Referred Papers

- 78 Analisi statistica di immagini digitali con applicazione ai dati telerilevati, PhD Thesis in Methodological Statistics, VI° Ciclo, 1994.
- 79 Metodi di ricampionamento nell’analisi delle immagini aeree e da satellite, (with G. Arbia), *Quaderni di Statistica ed Econometria*, 12, 143-152, 1990.
- 80 Un’Approccio Geometrico all’Analisi di Serie Spazio-Temporali, *Quaderni di Statistica e Matematica Applicata alle Scienze Economico-Sociali*, vol. XVI, 1-2, 27-44, 1994.
- 81 Inventario Regionale delle Superfici Agricole e Stime di Produzione Attraverso l’Utilizzo di Dati da Satellite: il caso dell’Emilia Romagna, (with G. Genovese), *Quaderni di Statistica Economica*, Università di Roma La Sapienza, 15, 1995.

- 82 Reddito e consumi: una soluzione al problema della disaggregazione territoriale basata sugli alberi di regressione, Quaderni di Statistica e Matematica Applicata alle Scienze Economico-Sociali, vol. XVIII, 1998.
- 83 Un metodo di stima per piccole aree dei bilanci di famiglia basato sugli alberi di regressione, Quaderni di Ricerca Istat, 4, 2-51. 1997.
- 84 Probabilistic risk of disclosure vs. frequency of frequencies: an empirical comparison, (with Piersimoni F.) Quaderni di Statistica e Matematica Applicata alle Scienze Economico-Sociali, vol. XIX, 2 suppl, 221-232, 1997.

Conference Invited Papers

- 85 Toward Crop Yield Estimate and Forecast by Remote Sensing: the Use of NOAA/NDVI Data (with D. Palma), Relazione invitata del Gregor Johann Mendel Committee on Agricultural Statistics, Proceedings of 49° sessione ISI, Firenze, Book 4, 309-318, 1993.
- 86 Stime di potenziali di mercato per piccole aree (with G. Espa), Relazione invitata nell'ambito del convegno SIS La statistica per le imprese, Torino, Proceedings, 1, 335-349, 1997.
- 87 Introducing dependencies in disclosure modeling within a Bayesian framework (with L. Franconi), Relazione invitata nell'ambito del convegno ISI, Istanbul, Bulletin of the International Statistical Institute, 57, 2, 17-20, 1997.
- 88 Available Methods and Software for Agricultural Data Editing (with Espa G. and Piersimoni F.), Invited Paper, ICAS II - Caesar, Roma, vol 3, 2001.
- 89 Generalized Software Tools for Crop Area Estimates and Yield Forecast (with R. Catenaro and F. Piersimoni), Remote Sensing Support to Crop Yield Forecast and Area Estimates, Stresa, 30/11-1-12 2006
- 90 EBLUP estimates by using remotely sensed data (with M. Ciavattella and D. Filippini), Remote Sensing Support to Crop Yield Forecast and Area Estimates, Stresa, 30/11-1-12 2006
- 91 Local Stationarity in EBLUP Estimation of Poverty Parameters (with C. Rinaldelli), Invited Paper, IASS Satellite Conference on Small Area Estimation, Pisa, 3-5 September 2007
- 92 Sampling Designs For Agricultural Holdings When Multivariate Auxiliary Variables Are Available (with F. Piersimoni and M. Greco), 56th ISI, Lisbona 22-29 August 2007
- 93 A Spatial Method for the Forecast of Agricultural Data (with P. Postiglione and F. Piersimoni), Invited Paper, ICAS 4 Conference, Pechino, 22-24 October 2007
- 94 A Cut-Off Approach to the Design of Longitudinal Business Surveys, Invited Paper, Joint Statistical Meeting, Miami, August 2011
- 95 Spatial Network Sampling in Small Area Estimation, Invited Paper, ISI, Hong Kong, August 2013
- 96 Spatially balanced samples for land use/land cover surveys. In: Proceedings of the 47th Scientific Meeting of Italian Statistical Society, Cabras S, Di Battista T, Racugno W (eds). 11-13 Giugno 2014, Cagliari. CUERC Cooperativa Universitaria Editrice Cagliari. ISBN: 978-88-8467-874-4. 2014
- 97 Benedetti R, Andreano MS, Piersimoni F, Postiglione P (2015). Advances in the use of remote sensing in land use/land cover surveys. Invited Paper Sessions. Proceedings of the 60th ISI World Statistics Congress – ISI2015, Rio de Janeiro, 26-31 July 2015, pp. 267-272, ISBN: 978-90-73592-35-3. 2015

- 98 MCMC selection of spatially and doubly balanced samples. Invited Paper Sessions. Proceedings of the 60th ISI World Statistics Congress – ISI2015, Rio de Janeiro, 26-31 July 2015, pp. 512-517, ISBN: 978-90-73592-35-3. 2015
- 99 Integrating census and administrative data sources within a spatial sampling framework. Invited Paper Sessions. Proceedings of the 60th ISI World Statistics Congress – ISI2015, Rio de Janeiro, 26-31 July 2015, ISBN: 978-90-73592-35-3. 2015
- 100 Forecasting with Mixed Data Sampling Models (MIDAS) and Google trends data: the case of car sales in Italy. SIS 2016 Proceedings, 48th Scientific Meeting of the Italian Statistical Society, Salerno June 8th - June 10th, 2016. ISBN: 9788861970618. 2016
- 101 “Firms insolvency and recession: a spatial analysis of effects on Italian manufacturing firms”, 5th Business Systems Laboratory International Symposium “Cocreating Responsible Futures in the Digital Age: Exploring new paths towards economic, social and environmental Sustainability”, Rome 11-12 September, 2017
- 102 Google Trends as data sources for forecasting Official Statistics. Meeting Statistics and Data Science: new Developments for Business and Industrial Applications. Turin, 24-25 May, Joint Meeting SIS-SOS, 2018
- 103 Balanced, Spatially Balanced and Doubly Balanced Sample Designs for Land Use/Land Cover Surveys, session Agricultural and Environmental Statistics, 12th International Biometric Society, Naples, 7-10 July, 2019
- 104 Review on Sampling Dependent Spatial Units Algorithms, Keynote Speaker, session Spatial Sampling for Agricultural and Environmental Surveys, 5TH Baltic-Nordic Conference on Survey Statistics, Örebro, Sweden, 16-20 June, 2019
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Brief summary of some bibliometric indexes

Reported by the Scopus Database: Documents by author 76; Citations 1035; *h*-index: 17

Reported by the Google Scholar Database: Citations: 2305; *h*-index: 26

Reported by the Research-Gate website: Reputation score: 741.1 (ranked 91th percentile); *h*-index: 23; Research interest: 741.1; Citations: 1539

References

Scientific/Academic	Professional/Academic
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<p>Many of the NIASRA professors know me very well and, although I have never published with them, they can provide more information about me. I refer in particular to D. Steel, R. Chambers and N. Cressie</p>	<p>Luigi Biggeri, Professor of Economics and Statistics, president of Istat (Italian National Statistical Office) from 2009 to 2013, University of Florence, Italy. In the past he was also President of the Italian Statistical Society from 1996 to 2000, Vice President of the International Statistical Institute (ISI) from 1991 to 1993 and President of the International Association of Survey Statisticians (IASS) from 2003 to 2005. Viale Giovanni Battista Morgagni, 59, 50134 Firenze, Italy, biggeri@ds.unifi.it</p>
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Roma, 26/Marzo/2026

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